



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.9502
Job Sheet 166723-K



Part No: 646.9502

Job Qty: 1 ea

Part Name: 206A/B/L-Series Cable Cutter System, Low



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/16/17

Job Tracking No:

Due Date: 11/24/17

Created By: Victoria Michaud-Febrille

Type: Stock

Description:

Customer: L3 Army Fleet Support LLC (CARMY01)

Army Fleet Support Cairns Field Bldg 30300 Specker Street Fort Rucker, AL, 36362 USA ph:(334) 255-8373

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Due Date	Standard		Workcenter/Supplier	
				Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
90	Start up Operation	1 Ea	11/24/17	0.00	0.00	Start up container	
110	Packaging	1 pcs	11/24/17	0.00	0.00	Packaging1	
120	QC	1 pcs	11/24/17	0.00	0.00	QC4	
125	DC	1 pcs	11/24/17	0.00	0.00	DC	
130	Packaging	1 pcs	11/24/17	0.00	0.00	Packaging3	
140	QC21-FG	1 Ea	11/24/17	0.00	0.00	QC21	

Part Op 125 - Photocopy bluefile & type labels per PPP 646.9502

Descriptions: 130 - Identify and pack for shipping as per PPP 646.9502 Location :FG101

DAS
21
9-08

DEC 20 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation <i>exp 04/2018</i> <i>24 pps/2018</i> <i>5025108</i>	600.0990 <i>5024498</i>	1 ✓	17	0	0
	600.0991 <i>5024499</i>	1 ✓	5	0	0
	600.1012 <i>5018683</i>	1 ✓	11	0	0
	646.9601 <i>5025081</i>	1 ✓	4	0	0
	646.9603 <i>5025082</i>	1 ✓	2	0	0
	646.9810 <i>5024520</i>	1 ✓	2	0	0
	646.9910 <i>5018681</i>	4 ✓	0	0	0
	647.0110 <i>5018680</i>	1 ✓	2	0	0
	647.0111 <i>5018687</i>	1 ✓	19	0	0
	647.0112 <i>5018688</i>	8 ✓	161	0	0
	647.0113 <i>5018686</i>	2 ✓	34	0	0
	647.0114 <i>5018683</i>	1 ✓	44	0	0
	647.0115 <i>5018679</i>	1 ✓	39	0	0
	647.0116 <i>5018678</i>	2 ✓	42	0	0
	647.0210 <i>5018675</i>	1 ✓	1	0	0
	647.0310 <i>5018671</i>	2 ✓	17	0	0
	647.0410 <i>5018668</i>	1 ✓	20	0	0
	647.1210 <i>5018663</i>	1 ✓	21	0	0
	AN3-10A <i>5000684</i>	8 ✓	38	0	0
	AN3-11A <i>5000684</i>	8 ✓	77	0	0
	AN3-3A <i>5018682</i>	1 ✓	96	0	0
	AN743-13 <i>5018686</i>	1 ✓	27	0	0
	CCR264SS-3-06 <i>5018054</i>	8 ✓	207	0	0
	CCR264SS3-04 <i>5018052</i>	12 ✓	57	0	0
	CCR264SS3-02 <i>5018051</i>	4 ✓	100	0	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE**DART**
AEROSPACE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐		Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																											
Date : _____		Step #: _____		MRB (QS1042) Approval _____																																													
Description Work Order Deviation _____																																																	
Job No: 166723-K Mfg Date: 12/19/17 Start up Operation 646.9502 206A/B/L - Series Cable Cutter System, Low 2025119 DART AEROSPACE Part NO: Revision: Operation: Change No:						Completed By _____ and / Supervisor _____ oval Verification _____ / QA Coordinator _____ Approval _____																																											
Root Cause <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Environment ☐</td><td style="width:50%;">No Re-verification ☐</td></tr> <tr><td>Design ☐</td><td>Operator ☐</td></tr> <tr><td>Doc/Data ☐</td><td>Offset/Setup ☐</td></tr> <tr><td>Equip/Tooling ☐</td><td>Supplier ☐</td></tr> <tr><td>Handling/Pre ☐</td><td>Training ☐</td></tr> <tr><td>Material ☐</td><td>Use for Testing ☐</td></tr> <tr><td>Internal Transport ☐</td><td>Poor Information ☐</td></tr> <tr><td>Tribal Knowledge ☐</td><td>Rushing ☐</td></tr> <tr><td>LOA ☐</td><td>Product Improvement ☐</td></tr> <tr><td>Substation ☐</td><td>Process Improvement ☐</td></tr> <tr><td>Past Expiry Date ☐</td><td>Manufacturing Process ☐</td></tr> <tr><td>Misidentified ☐</td><td>Past Due ☐</td></tr> </table>		Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	<table style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%;">Press ☐</td><td style="width:50%;">Broken/Damage/Defect ☐</td></tr> <tr><td>Bend ☐</td><td>Inspection Incomplete/Unqualified ☐</td></tr> <tr><td>Centre Not Concentric ☐</td><td>Contamination ☐</td></tr> <tr><td>Cracks ☐</td><td>Countersink ☐</td></tr> <tr><td>Crimp/Kink/Ripple/Wave ☐</td><td>Cut Too Short ☐</td></tr> <tr><td>Cuffs ☐</td><td>Instructions Incomplete/Unclear ☐</td></tr> <tr><td>Crushing ☐</td><td>Drill Holes ☐</td></tr> <tr><td>Heat Treat ☐</td><td></td></tr> <tr><td>Wave/Twist in Tube ☐</td><td></td></tr> <tr><td>Marks/Chatter ☐</td><td></td></tr> </table>				Press ☐	Broken/Damage/Defect ☐	Bend ☐	Inspection Incomplete/Unqualified ☐	Centre Not Concentric ☐	Contamination ☐	Cracks ☐	Countersink ☐	Crimp/Kink/Ripple/Wave ☐	Cut Too Short ☐	Cuffs ☐	Instructions Incomplete/Unclear ☐	Crushing ☐	Drill Holes ☐	Heat Treat ☐		Wave/Twist in Tube ☐		Marks/Chatter ☐	
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 DART Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 CANADA
 TEL.: 1 613 632-5200
 Email: sales@dartaero.com
 www.dartaerospace.com

5018046x24	CR3212-4-4	64	5078050	1 ✓	390	0	0
	CR3212-5-4	5018047		8 ✓	123	0	0
	CR3213-4-05	5000674x2		26 ✓	294	0	0
	CR3213-4-1	5018035		14 ✓	300	0	0
	CR3213-4-2	5018034		18 ✓	343	0	0
	CR3213-4-3	5018033		18 ✓	370	0	0
	CR3213-4-4	5018032		19 ✓	250	0	0
	CR3213-4-6	5018030		20 ✓	397	0	0
500690065	MS21042L08	5004520x36		54 ✓	0	0	0
	MS21042L3	5018024	5018028 ✓	17 ✓	0	0	0
	MS21047-3	5018023		6 ✓	233	0	0
	MS21059-3	5017494		2 ✓	411	0	0
	MS21059L08	5017493		4 ✓	62	0	0
	MS24694-S8	5017497		5 ✓	185	0	0
	MS27039-08-06	5017490		4 ✓	25	0	0
	MS27039-08-09	5017488		4 ✓	148	0	0
	MS27039-08-11	5017487		43 ✓	1,598	0	0
	MS27039-08-12	5017485		2 ✓	696	0	0
	MS27039-08-13	5017484		6 ✓	191	0	0
	MS27039-1-08	5017482		5 ✓	515	0	0
	MS27039-1-11	5017480		5 ✓	240	0	0
	MS35842-11	5017479		1 ✓	39	0	0
	NAS1149F0332P	5017474		62 ✓	3,231	0	0
	NAS1149FN832P	5017462		111 ✓	4,525	0	0
	NAS1835-08	5017460		4 ✓	149	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02736			SHEET 1 OF 1	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT				
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	GC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE	REASON: CORRECTED PARTS LIST ERRORS				

REFERENCE ONLY

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY
☐ MDL ☒ INSTALL INSTRU ☒ ICA ☐ FMS ☒ BOM						☐ MAJOR ☒ MINOR
DER REVIEW REQUIRED						☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV IN/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: HARDWARE REVISIONS FROM FIRST INSTALL				

REFERENCE ONLY

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:						CHANGE CATEGORY
						DER REVIEW REQUIRED
						☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM ☐ MAJOR ☒ MINOR ☐ YES ☒ NO

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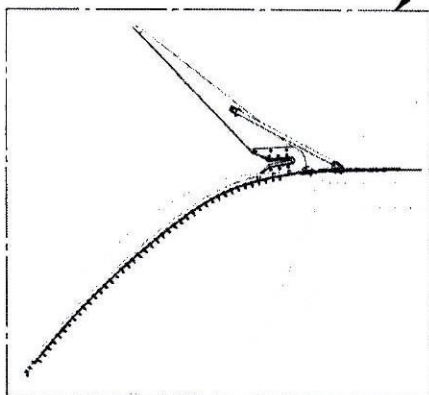
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

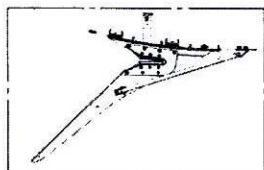
UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B



QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
1	1	49	601.1066 RIVET	CR3212-4-8	
1	1	48	600.0991 MAGNABOND 6398 PART B		
1	1	47	600.0990 MAGNABOND 6398 PART A		
1	1	46	600.1012 SEALANT	PP-1425 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-0812	
4	4	43	601.2987 SCREW	MS27039-0809	
4	4	42	601.3000 SCREW	MS27039-0806	

QTY	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
47	47	41	601.2893 SCREW	MS27039-0811	
1	1	40	601.2982 HOSE CLAMP	MS35042-11	
1	1	39	647.1210 SCREEN		
5	5	38	601.1621 SCREW	MS27039-1-08	
14	14	37	601.2979 RIVET	CR3213-4-1	
4	4	36	601.2984 INSERT	MS1835-08	
4	4	35	601.2277 RIVET	CC09488-309	
8	8	34	601.2983 RIVET	CR3212-5-4	
12	12	33	601.2980 NUTPLATE RIVET	CC09488-341	
1	1	32	601.2822 BOLT	AN3-3A	
1	1	31	601.2985 BRACKET	AN743-13	
2	2	30	601.1900 NUTPLATE	MS21059-3	
6	6	29	601.2988 SCREW	MS27039-0813	
53	53	28	601.2973 LOCKNUT	MS21042-08	
6	6	27	600.0795 NUTPLATE	MS21047-3	
18	18	26	601.0790 RIVET	CR3213-4-3	
18	18	25	601.1039 RIVET	CR3213-4-2	
19	19	24	601.1915 RIVET	CR3213-4-4	
20	20	23	601.2991 RIVET	CR3213-4-5	
26	26	22	601.1183 RIVET	CR3213-4-5	
4	4	21	601.2356 NUTPLATE	MS21059-08	
8	8	20	601.2981 NUTPLATE RIVET	CC09488-341	
17	17	19	601.2943 LOCKNUT	MS21042-3	
16	16	18	601.2826 BOLT	AN3-11A	
46	46	17	601.1607 WASHER	MS11470832P	
114	114	16	601.2764 WASHER	MS11470832P	
1	1	15	647.0115 CLIP		
1	1	14	647.0114 CLIP		
1	1	13	647.0410 TUBE		
2	2	12	647.0116 DOUBLER		
1	1	11	647.0111 PANEL		
2	2	10	647.0113 STRUT DOUBLER		
8	8	9	647.0112 STRUT BRACKET		
4	4	8	646.9910 STRUT		
2	2	7	647.0310 CHANNEL		
1	1	6	647.0110 ROOF DOUBLER		
1	1	5	647.0210 RAIL		
1	1	4	646.9810 DEFLECTOR		
1	1	3	646.9603 LOWER CUTTER ASSY LOW		
1	1	2	646.9602 LOWER CUTTER ASSY HIGH		
1	1	1	646.9601 UPPER CUTTER ASSY		
			646.9502 206 CABLE CUTTERS KIT LOW		
			646.9501 206 CABLE CUTTERS KIT HIGH		

NEXT ASSY (S)		ORIGINAL DATE (MO/DA/YR)		DESIGNER
		DRAWN BY		CHECKER
		BY (NAME)		BY (NAME)
		DRAWING APPROVAL		
		CONTRACT NO.		
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .004 ANGLES ± .5°		
SHEET		CAUSE CODE		DVD NO.
B		07M26		646.9500
SCALE		NONE		SHEET 1 OF 3

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT